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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/695,375	10/28/2003	Vladislav Bezrukov	13913-100001 / 2003P00317	5324
32864	7590	02/08/2006	EXAMINER	
FISH & RICHARDSON, P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022			NGUYEN, CHAU T	
			ART UNIT	PAPER NUMBER
			2176	

DATE MAILED: 02/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/695,375	<b>Applicant(s)</b> BEZRUKOV ET AL.	
	<b>Examiner</b> Chau Nguyen	<b>Art Unit</b> 2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 28 October 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

1. Claims 1-41 are presented for examination.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-41 are rejected under 35 U.S.C. 102(e) as being anticipated by Azami, US Patent Application Publication No. US 2004/0064481 A1.

4. As to independent claims 1, 24, 30 and 36, Azami discloses a method of maintaining extensible markup language (XML) documents comprising:

splitting an XML document into fragments according to rules stored in a configuration file (Abstract, and page 1, paragraph [0014] and page 4, paragraph [0062]: original structured data such as XML data is divided into a plurality of fragments);

Art Unit: 2176

binding each of the fragments to an object in a content management system (page 5, paragraph [0067]: an ID (object) uniquely attached to each fragment); and

providing a reference between the XML document and the fragments (pages 4-5, paragraphs [0062] and [0068]: reference information specifying the fragment data).

5. As to dependent claims 2, 25, 31, and 37, Azami discloses storing content associated with a fragment in the content management system (page 6, paragraph [0085]).

6. As to dependent claims 3, 26, 32, and 38, Azami discloses associating the content with a particular object in the content management system (page 5, paragraph [0068]).

7. As to dependent claims 4, 27, 33, and 39, Azami discloses replacing the content associated with each fragment with a link to the object in the content management system (pages 7-8, paragraphs [0101] and page 10, paragraph [0136]).

8. As to dependent claims 5, 28, 34, and 40, Azami discloses associating multiple fragments with a particular object in the content management system (page 5, paragraphs [0071]-[0074]).

Art Unit: 2176

9. As to dependent claim 6, Azami discloses detecting an outgoing reference to an object attribute (Fig. 13 and page 7, paragraph [0093]).

10. As to dependent claim 7, Azami discloses ensuring the reference is unique (page 5, paragraph [0068]).

11. As to dependent claim 8, Azami discloses setting the rules according to an application (page 5, paragraphs [0068]-[0074]).

12. As to dependent claim 9, Azami discloses wherein the rules include configuration rules (page 5, paragraphs [0068]-[0074]).

13. As to dependent claim 10, Azami discloses wherein the rules include sub-rules (page 5, paragraphs [0068]-[0074]).

14. As to dependent claim 11, Azami discloses wherein the rules include encoding rules (page 6, paragraph [0075]).

15. As to dependent claim 12, Azami discloses wherein the configuration rules include a fragment rule that removes a fragment from the XML document and replaces the fragment with a reference (page 9, paragraph [0123]).

Art Unit: 2176

16. As to dependent claim 13, Azami discloses wherein the configuration rules include an unparsed object rule that extracts a string associated with an unparsed object and replaces the string with a reference (page 5, paragraph [0065] and pages 6-7, paragraph [0090]).

17. As to dependent claim 14, Azami discloses wherein the configuration rules include a hyperlink rule that replaces a link to another object attribute with a reference (pages 7-8, paragraphs [0101] and page 10, paragraph [0136]).

18. As to dependent claim 15, Azami discloses wherein the sub-rules include a pattern rule that extracts textual content from a fragment (page 5, paragraph [0065]).

19. As to dependent claim 16, Azami discloses wherein the sub-rules include an attribute rule that assigns each object with an attribute type (page 5, paragraph [0068]).

20. As to dependent claim 17, Azami discloses wherein the attribute type includes logical object (LOIO) or physical object (PHIO) (page 5, paragraph [0068] and page 7, paragraph [0096]).

21. As to dependent claim 18, Azami discloses wherein the sub-rules include a class rule that provides a class name to an object (page 5, paragraph [0068]).

Art Unit: 2176

22. As to dependent claim 19, Azami discloses wherein encoding rules include internal entity encoding rules (page 5, paragraph [0068] and page 6, paragraph [0075]).

23. As to dependent claim 20, Azami discloses wherein encoding rules include external name encoding rules (page 5, paragraph [0068] and page 6, paragraph [0075]).

24. As to dependent claim 21, Azami discloses wherein encoding rules include unparsed object encoding rules (page 5, paragraph [0068] and page 6, paragraph [0075]).

25. As to dependent claim 22, Azami discloses wherein encoding rules include hyperlink encoding rules (pages 8-9, paragraph [0115]).

26. As to dependent claims 23, 29, 35, and 41, Azami discloses wherein the fragment includes a sub-fragment (page 11, paragraph [0148]),

binding the sub-fragment to an object in a content management system (page 5, paragraph [0067]: an ID (object) uniquely attached to each fragment); and

providing a reference between the fragment and the sub-fragment (pages 4-5, paragraphs [0062] and [0068]: reference information specifying the fragment data).

Art Unit: 2176

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chau Nguyen whose telephone number is (571) 272-4092. The Examiner can normally be reached on Monday-Friday from 8:30 am to 5:30 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Heather Herndon, can be reached at (571) 272-4136.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. On July 15, 2005, the Central Facsimile (FAX) Number will change from 703-872-9306 to 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chau Nguyen  
Patent Examiner  
Art Unit 2176

*William L. Bashore*  
**WILLIAM BASHORE**  
**PRIMARY EXAMINER**  
*2/5/2006*